RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/516,753_

Source: _PC r_

Date Processed by STIC: _1/30/06_

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RAW SEQUENCE LISTING   DATE: 01/30/2006
PATENT APPLICATION: **US/10/516,753** TIME: 10:52:40

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01302006\J516753.raw**

```
 3 <110> APPLICANT: Hannoufa, Abdelali
 4        Lydiate, Derek J.
 5        Gao, Ming-Jun
 7 <120> TITLE OF INVENTION: REGULATION OF GENE EXPRESSION USING CHROMATIN REMODELLING
FACTORS
 9 <130> FILE REFERENCE: 270.78USWO
11 <140> CURRENT APPLICATION NUMBER: US 10/516,753
12 <141> CURRENT FILING DATE: 2004-12-03
14 <150> PRIOR APPLICATION NUMBER: PCT/CA2003/000822
15 <151> PRIOR FILING DATE: 2003-06-03
17 <150> PRIOR APPLICATION NUMBER: US 60/387,088
18 <151> PRIOR FILING DATE: 2002-06-06
20 <160> NUMBER OF SEQ ID NOS: 104
22 <170> SOFTWARE: PatentIn version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 142
26 <212> TYPE: PRT
27 <213> ORGANISM: Agrobacterium Tumefaciens
29 <220> FEATURE:
30 <223> OTHER INFORMATION: WT-ROS
32 <400> SEQUENCE: 1
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35 1               5                   10                  15
37 Thr Ala Asp Ile Val Ala Ala Tyr Val Ser Asn His Val Val Pro Val
38              20                  25                  30
40 Thr Glu Leu Pro Gly Leu Ile Ser Asp Val His Thr Ala Leu Ser Gly
41           35                  40                  45
43 Thr Ser Ala Pro Ala Ser Val Ala Val Asn Val Glu Lys Gln Lys Pro
44        50                  55                  60
46 Ala Val Ser Val Arg Lys Ser Val Gln Asp Asp His Ile Val Cys Leu
47 65                  70                  75                  80
49 Glu Cys Gly Gly Ser Phe Lys Ser Leu Lys Arg His Leu Thr Thr His
50                  85                  90                  95
52 His Ser Met Thr Pro Glu Glu Tyr Arg Glu Lys Trp Asp Leu Pro Val
53              100                 105                 110
55 Asp Tyr Pro Met Val Ala Pro Ala Tyr Ala Glu Ala Arg Ser Arg Leu
56           115                 120                 125
58 Ala Lys Glu Met Gly Leu Gly Gln Arg Arg Lys Ala Asn Arg
59        130                 135                 140
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 472
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
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68 <223> OTHER INFORMATION: Synthetic ROS
70 <400> SEQUENCE: 2
71 gcggatcccc gggtatgact gagactgctt acggtaacgc tcaggatctt cttgttgagc   60
73 ttactgctga tatcgttgct gcttacgttt ctaaccacgt tgttcctgtt actgagcttc   120
75 ctggacttat ctctgatgtt catactgcac tttctggaac atctgctcct gcttctgttg   180
77 ctgttaacgt tgagaagcag aagcctgctg tttctgttcg taagtctgtt caggatgatc   240
79 atatcgtttg tttggagtgt ggtggttctt tcaagtctct caagcgtcac cttactactc   300
81 atcactctat gactccagag gagtatagag agaagtggga tcttcctgtt gattaccctg   360
83 tggttgctcc tgcttacgct gaggctcgtt ctcgtctcgc taaggagatg ggtctcggtc   420
85 agcgtcgtaa ggctaaccgt ccaaaaaaga agcgtaaggt ctgagagctc gc   472
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 447
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Composite ROS Sequence
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97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (6)..(6)
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101 <220> FEATURE:
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103 <222> LOCATION: (12)..(12)
104 <223> OTHER INFORMATION: n is a, c, g, or t
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108 <222> LOCATION: (15)..(15)
109 <223> OTHER INFORMATION: n is a, c, g, or t
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113 <222> LOCATION: (21)..(21)
114 <223> OTHER INFORMATION: n is a, c, g, or t
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119 <223> OTHER INFORMATION: n is a, c, g, or t
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123 <222> LOCATION: (36)..(36)
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134 <223> OTHER INFORMATION: n is a, c, g, or t
136 <220> FEATURE:

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PATENT APPLICATION: **US/10/516,753**   TIME: 10:52:40

Input Set : **A:\PTO.AMC.txt**
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139 <223> OTHER INFORMATION: n is a, c, g, or t
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144 <223> OTHER INFORMATION: n is a, c, g, or t
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148 <222> LOCATION: (54)..(54)
149 <223> OTHER INFORMATION: n is a, c, g, or t
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153 <222> LOCATION: (63)..(63)
154 <223> OTHER INFORMATION: n is a, c, g, or t
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157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (66)..(66)
159 <223> OTHER INFORMATION: n is a, c, g, or t
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163 <222> LOCATION: (69)..(69)
164 <223> OTHER INFORMATION: n is a, c, g, or t
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168 <222> LOCATION: (75)..(75)
169 <223> OTHER INFORMATION: n is a, c, g, or t
171 <220> FEATURE:
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173 <222> LOCATION: (78)..(78)
174 <223> OTHER INFORMATION: n is a, c, g, or t
176 <220> FEATURE:
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178 <222> LOCATION: (87)..(87)
179 <223> OTHER INFORMATION: n is a, c, g, or t
181 <220> FEATURE:
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183 <222> LOCATION: (90)..(90)
184 <223> OTHER INFORMATION: n is a, c, g, or t
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188 <222> LOCATION: (93)..(93)
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201 <220> FEATURE:
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206 <220> FEATURE:
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209 <223> OTHER INFORMATION: n is a, c, g, or t
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223 <222> LOCATION: (120)..(120)
224 <223> OTHER INFORMATION: n is a, c, g, or t
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238 <222> LOCATION: (135)..(135)
239 <223> OTHER INFORMATION: n is a, c, g, or t
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248 <222> LOCATION: (141)..(141)
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253 <222> LOCATION: (144)..(144)
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259 <223> OTHER INFORMATION: n is a, c, g, or t
261 <220> FEATURE:
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264 <223> OTHER INFORMATION: n is a, c, g, or t
266 <220> FEATURE:
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268 <222> LOCATION: (153)..(153)
269 <223> OTHER INFORMATION: n is a, c, g, or t
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274 <223> OTHER INFORMATION: n is a, c, g, or t
276 <220> FEATURE:
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278 <222> LOCATION: (159)..(159)
279 <223> OTHER INFORMATION: n is a, c, g, or t
281 <220> FEATURE:
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283 <222> LOCATION: (162)..(162)
284 <223> OTHER INFORMATION: n is a, c, g, or t
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288 <222> LOCATION: (165)..(165)
289 <223> OTHER INFORMATION: n is a, c, g, or t
291 <220> FEATURE:
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293 <222> LOCATION: (168)..(168)
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298 <222> LOCATION: (171)..(171)
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301 <220> FEATURE:
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303 <222> LOCATION: (177)..(177)
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308 <222> LOCATION: (192)..(192)
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313 <222> LOCATION: (195)..(195)
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316 <220> FEATURE:
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318 <222> LOCATION: (198)..(198)
319 <223> OTHER INFORMATION: n is a, c, g, or t
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/30/2006
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Input Set : **A:\PTO.AMC.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 6,12,15,21,27,36,39,42,48,51,54,63,66,69,75,78,87,90,93,96
Seq#:3; N Pos. 99,105,108,111,114,120,126,132,135,138,141,144,147,150,153
Seq#:3; N Pos. 156,159,162,165,168,171,177,192,195,198,201,204,207,213,216
Seq#:3; N Pos. 234,240,249,252,255,264,267,273,279,282,285,294,300,303,315
Seq#:3; N Pos. 330,333,336,345,351,354,357,360,366,372,375,378,381,384,387
Seq#:3; N Pos. 399,402,405,411,414,420,426,429,441,447
Seq#:17; Xaa Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:17; Xaa Pos. 30,31,32,33,34,35,36,37,38,39,40,41,42

VERIFICATION SUMMARY   DATE: 01/30/2006
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```
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:420
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
L:789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:32
```